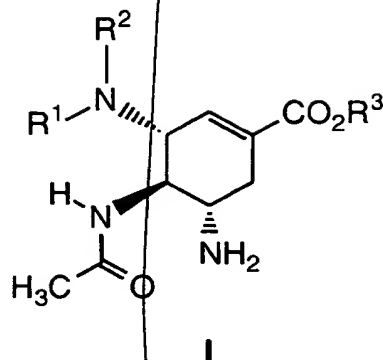


What is claimed is:

1. A compound of the formula (I):



5 wherein:

- R^1 is H, R^2 is $-\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is H;
 R^1 is H, R^2 is $-\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is $-\text{CH}_2\text{CH}_3$;
 R^1 is H, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is H;
 R^1 is H, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is $-\text{CH}_2\text{CH}_3$;
 10 R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is H;
 R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is $-\text{CH}_2\text{CH}_3$;
 R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is H;
 R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is $-\text{CH}_2\text{CH}_3$;
 R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is H;
 15 R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is $-\text{CH}_2\text{CH}_3$;
 R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is H;
 R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is $-\text{CH}_2\text{CH}_3$;
 R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{Ph}$ and R^3 is H;
 R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{Ph}$ and R^3 is $-\text{CH}_2\text{CH}_3$;
 20 R^1 is $-\text{CH}_3$, R^2 is $-(\text{cyclohexyl})$ and R^3 is H;
 R^1 is $-\text{CH}_3$, R^2 is $-(\text{cyclohexyl})$ and R^3 is $-\text{CH}_2\text{CH}_3$;
 R^1 is $-\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is H;
 R^1 is $-\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is $-\text{CH}_2\text{CH}_3$;
 R^1 is $-\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is H;
 25 R^1 is $-\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is $-\text{CH}_2\text{CH}_3$;
 R^1 is $-\text{CH}_2\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is H;
 R^1 is $-\text{CH}_2\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is $-\text{CH}_2\text{CH}_3$;
 R^1 is $-\text{CH}_2\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2(\text{cyclopropyl})$ and R^3 is H;

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- R^1 is $-\text{CH}_2\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2(\text{cyclopropyl})$ and R^3 is $-\text{CH}_2\text{CH}_3$;
 R^1 and R^2 are taken together to form $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2-$ and R^3 is H;
 R^1 and R^2 are taken together to form $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2-$ and R^3 is
 $-\text{CH}_2\text{CH}_3$;
5 R^1 and R^2 are taken together to form $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2-$ and R^3 is
H;
 R^1 and R^2 are taken together to form $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2-$ and R^3 is
 $-\text{CH}_2\text{CH}_3$;
 R^1 and R^2 are taken together to form $-\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2-$ and R^3 is H;
10 or
 R^1 and R^2 are taken together to form $-\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2-$ and R^3 is
 $-\text{CH}_2\text{CH}_3$;
and salts, solvates and resolved enantiomers thereof.
- 15 2. The compound of Claim 1 wherein R^1 is H, R^2 is $-\text{CH}(\text{CH}_2\text{CH}_3)_2$
and R^3 is H.
3. The compound of Claim 1 wherein R^1 is H, R^2 is $-\text{CH}(\text{CH}_2\text{CH}_3)_2$
and R^3 is $-\text{CH}_2\text{CH}_3$.
20
4. The compound of Claim 1 wherein R^1 is H, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and
 R^3 is H.
5. The compound of Claim 1 wherein R^1 is H, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and
25 R^3 is $-\text{CH}_2\text{CH}_3$.
6. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$
and R^3 is H.
- 30 7. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$
and R^3 is $-\text{CH}_2\text{CH}_3$.
8. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is
 $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is H.
35

9. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is $-\text{CH}_2\text{CH}_3$.

10. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is H.

11. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is $-\text{CH}_2\text{CH}_3$.

12. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is H.

13. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}(\text{CH}_2\text{CH}_3)_2$ and R^3 is $-\text{CH}_2\text{CH}_3$.

14. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{Ph}$ and R^3 is H.

15. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{Ph}$ and R^3 is $-\text{CH}_2\text{CH}_3$.

16. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-(\text{cyclohexyl})$ and R^3 is H.

17. The compound of Claim 1 wherein R^1 is $-\text{CH}_3$, R^2 is $-(\text{cyclohexyl})$ and R^3 is $-\text{CH}_2\text{CH}_3$.

18. The compound of Claim 1 wherein R^1 is $-\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is H.

19. The compound of Claim 1 wherein R^1 is $-\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is $-\text{CH}_2\text{CH}_3$.

20. The compound of Claim 1 wherein R^1 is $-\text{CH}_2\text{CH}_3$, R^2 is $-\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ and R^3 is H.

21. The compound of Claim 1 wherein R¹ is -CH₂CH₃, R² is -CH₂CH₂CH₂CH₃ and R³ is -CH₂CH₃.

5 22. The compound of Claim 1 wherein R¹ is -CH₂CH₂CH₃, R² is -CH₂CH₂CH₃ and R³ is H.

23. The compound of Claim 1 wherein R¹ is -CH₂CH₂CH₃, R² is -CH₂CH₂CH₃ and R³ is -CH₂CH₃.

10 24. The compound of Claim 1 wherein R¹ is -CH₂CH₂CH₃, R² is -CH₂(cyclopropyl) and R³ is H.

15 25. The compound of Claim 1 wherein R¹ is -CH₂CH₂CH₃, R² is -CH₂(cyclopropyl) and R³ is -CH₂CH₃.

26. The compound of Claim 1 wherein R¹ and R² are taken together to form -CH₂CH₂CH₂CH₂- and R³ is H.

20 27. The compound of Claim 1 wherein R¹ and R² are taken together to form -CH₂CH₂CH₂CH₂- and R³ is -CH₂CH₃.

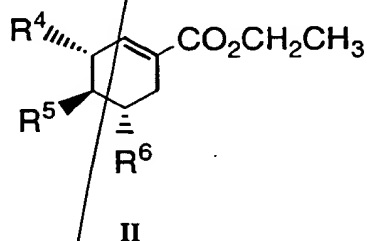
28. The compound of Claim 1 wherein R¹ and R² are taken together to form -CH₂CH₂CH₂CH₂CH₂- and R³ is H.

25 29. The compound of Claim 1 wherein R¹ and R² are taken together to form -CH₂CH₂CH₂CH₂CH₂- and R³ is -CH₂CH₃.

30 30. The compound of Claim 1 wherein R¹ and R² are taken together to form -CH₂CH₂OCH₂CH₂- and R³ is H.

31. The compound of Claim 1 wherein R¹ and R² are taken together to form -CH₂CH₂OCH₂CH₂- and R³ is -CH₂CH₃.

32. A compound of the formula (II):



wherein:

5 R^4 is -OH, R^5 is -NH₂ and R^6 is -N₃;

R^4 is -OC(O)CH₃, R^5 is -N(H)(C(O)CH₃) and R^6 is -N₃;

R^4 is -N(CH₃)(CH₂CH₂CH₃), -N(CH₃)(CH₂CH₂CH₂CH₃),
-N(CH₃)(CH(CH₂CH₃)₂), -N(CH₃)(CH₂CH(CH₂CH₃)₂), -N(CH₃)(CH₂CH₂Ph),
-N(CH₃)(cyclohexyl), -N(CH₂CH₃)(CH₂CH₂CH₃),
10 -N(CH₂CH₃)(CH₂CH₂CH₂CH₃), -N(CH₂CH₂CH₃)(CH₂CH₂CH₃),
-N(CH₂CH₂CH₃)(CH₂(cyclopropyl)), -(1-C₄H₈N), -(1-C₅H₁₀N), or -(1-C₄H₈NO),

R^5 is -N(H)(C(O)CH₃) and R^6 is -N₃;

R^4 is -N(CH₃)(CH₂CH₂CH₃), -N(CH₃)(CH₂CH₂CH₂CH₃),
-N(CH₃)(CH(CH₂CH₃)₂), -N(CH₃)(CH₂CH(CH₂CH₃)₂), -N(CH₃)(CH₂CH₂Ph),
15 -N(CH₃)(cyclohexyl), -N(CH₂CH₃)(CH₂CH₂CH₃),
-N(CH₂CH₃)(CH₂CH₂CH₂CH₃), -N(CH₂CH₂CH₃)(CH₂CH₂CH₃),
-N(CH₂CH₂CH₃)(CH₂(cyclopropyl)), -(1-C₄H₈N), -(1-C₅H₁₀N), or -(1-C₄H₈NO),

R^5 is -N(H)(C(O)CH₃) and R^6 is -NH₂;

R^4 is -OC(O)CH₃, R^5 is -N(H)(C(O)CH₃) and R^6 is -NH₂;

20 R^4 is -OC(O)CH₃, R^5 is -N(H)(C(O)CH₃) and R^6 is

-N(H)(C(O)OC(CH₃)₃);

R^4 is -N₃, R^5 is -N(H)(C(O)CH₃) and R^6 is -N(H)(C(O)OC(CH₃)₃);

R^4 is -NH₂, R^5 is -N(H)(C(O)CH₃) and R^6 is -N(H)(C(O)OC(CH₃)₃);

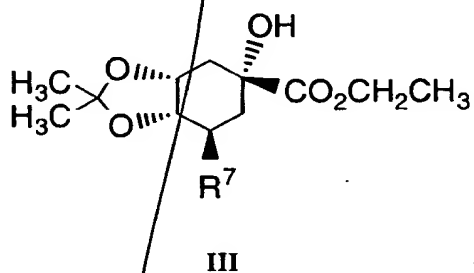
R^4 is -N(H)(CH₂CH₂CH₃), or -N(H)(CH(CH₂CH₃)₂), R^5 is
25 -N(H)(C(O)CH₃) and R^6 is -N(H)(C(O)OC(CH₃)₃);

R^4 is -N(H)(CH₂CH₂CH₃), or -N(H)(CH(CH₂CH₃)₂), R^5 is
-N(H)(C(O)CH₃) and R^6 is -NH₂; or

R^4 is -OCH₂OCH₃, R^5 is -NH₂ and R^6 is -N₃;

and salts, solvates and resolved enantiomers thereof.

33. A compound of the formula (III):

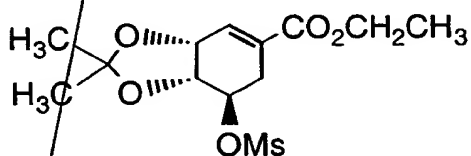


wherein:

5 R^7 is -OH or -OMs;

and salts, solvates and resolved enantiomers thereof.

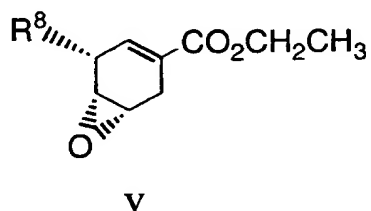
34. A compound of the formula (IV):



10

~~and salts, solvates and resolved enantiomers thereof.~~

35. A compound of the formula (V):



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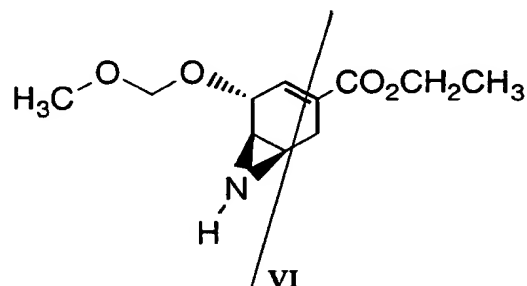
wherein:

R^8 is -OH, or -OCH₂OCH₃;

and salts, solvates and resolved enantiomers thereof.

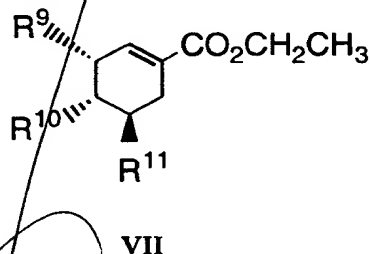
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36. A compound of the formula (VI):



and salts, solvates and resolved enantiomers thereof.

37. A compound of the formula (VII):



wherein:

R^9 is -OH, R_{10} is -OH, and R_{11} is -OMs;

R^9 is -OCH₂OCH₃, R_{10} is -OH, and R_{11} is -N₃; or

R^9 is -OCH₂OCH₃, R_{10} is -OMs, and R_{11} is -N₃;

and salts, solvates and resolved enantiomers thereof.

38. A compound of Claim 1 further comprising a pharmaceutically-acceptable carrier.

39. A method of inhibiting the activity of neuraminidase comprising the step of contacting a sample suspected of containing neuraminidase with a compound of Claim 1.

40. The method of Claim 39 wherein the neuraminidase is influenza neuraminidase *in vivo*.

41. A method for the treatment or prophylaxis of influenza infection in a host comprising administering to the host a therapeutically effective amount of a compound of Claim 1.

42. The method of Claim 41 wherein the compound further comprises a pharmaceutically-acceptable carrier.